REMARKS

Claims 1-18 remain pending in the application, with Claims 1 and 13 being independent claims. Claims 1-4 and 13-16 are rejected under 35 U.S.C. § 102(e) as allegedly being anticipated by newly cited Lieu (U.S. Patent Application Publication No. 2003/0157971 A1). Claims 5, 6, 12, 17 and 18 are rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Lieu in view of Cline (U.S. Patent No. 4,710,876). Claims 7-11 are rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Lieu in view of Hansen (U.S. Patent No. 4,445,011).

Claim 1 recites, in part, a portable terminal for displaying data on a screen, the portable terminal including a video processor for converting the data into a displayable format according to characteristics and size of the screen so that the data can be displayed on the screen; a sensing device for sensing rotation of the screen, the sensing device generating a sensing signal according to a rotating direction of the screen; and a controller for determining the rotating direction of the screen according to the sensing signal, and controlling the video processor to convert a format of the data in an opposite direction of the determined rotating direction by converting coordinate values of the data in order to display the data in an upright direction. Claim 13 includes similar recitations.

Lieu describes a display for a portable terminal. The Examiner relies on page 1, paragraphs 7-10, page 2, paragraphs 30, 31, 35, page 3, paragraphs 40-43, and page 4, paragraphs 52-60, of Lieu for satisfying the recitations in Claims 1 and 13. Lieu describes a portable terminal 100 with a display that is fully visible to a user when the portable terminal is open or closed. The portable terminal 100 includes a keyboard 116, a keyboard-open sensor 122 and environmental sensor(s) 124.

In paragraph 40, Lieu describes how the keyboard-open sensor 122 senses when the keyboard 116 is in the open position, wherein the screen is rotated by 90 degrees according to the result of such sensing. The environmental sensor(s) 124 described by Lieu sense environmental

factors, such as temperature, vibration, noise, light, motion, etc. Lieu nowhere suggests using the keyboard-open sensor 122 or the environmental sensor(s) 124 for performing any other mobile terminal functions.

The present invention teaches a sensing device, for example the sensing element 40 shown in FIGS. 3 and 4 of the present application, the sensing elements 50 and 60 shown in FIG. 5, and the sensor 170 shown in FIG. 6. The sensing device of the present invention senses rotation of the screen, and in response to the sensed rotation, rotates data in the screen in an opposite direction of the rotating direction and displaying the rotated data. However, Lieu merely describes sensing, by the keyboard-open sensor 122, whether the keyboard is in the open position or a closed position, and in response to the sensed position of the keyboard, rotating and displaying the data of the screen. Hence, the sensing device of the present invention differs from the keyboard-open sensor 122 taught by Lieu because the sensing device according to the present invention has a different rotating condition from Lieu.

In other words, both the present invention and Lieu teach rotating the screen, but the sensing device of the present invention senses the rotation of the screen, and the keyboard-open sensor of Lieu senses whether the keyboard is in the open position. Therefore, an object sensed by the sensing device of the present invention is patentably different from an object sensed the keyboard-open sensor of Lieu.

Cline, Hansen, or any combination thereof, fails to supplement the deficiencies of Lieu because Cline, Hansen, or any combination thereof, fails to teach or reasonably suggest a sensing device for sensing a rotating direction of the screen.

More particularly, Lieu, Cline, Hansen, or any combination thereof, fail to teach or reasonably suggest a portable terminal for displaying data on a screen, the portable terminal including a video processor for converting the data into a displayable format according to characteristics and size of the screen so that the data can be displayed on the screen; a sensing device for sensing rotation of the screen, the sensing device generating a sensing signal according

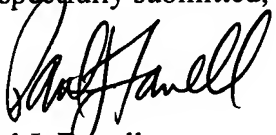
to a rotating direction of the screen; and a controller for determining the rotating direction of the screen according to the sensing signal, and controlling the video processor to convert a format of the data in an opposite direction of the determined rotating direction by converting coordinate values of the data in order to display the data in an upright direction, as recited in Claim 1. Lieu, Cline, Hansen, or any combination thereof, also fails to teach or reasonably suggest similar recitations in Claim 13.

Accordingly, Claims 1 and 13 are allowable over Lieu, Cline, Hansen, or any combination thereof.

While not conceding the patentability of the dependent claims, *per se*, Claims 2-12 and 14-18 are also allowable for at least the above reasons.

Accordingly, all of the claims pending in the Application, namely, Claims 1-18, are in condition for allowance. Should the Examiner believe that a telephone conference or personal interview would facilitate resolution of any remaining matters, the Examiner may contact Applicant's attorney at the number given below.

Respectfully submitted,



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